

South Dakota Cost List - 2002 Program Year

To be used on all programs except Conservation Reserve Program

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE ¹
Bioengineering			
Brush box - trench pak	L.F.	\$5.00	AM
Brush matting	SQ.FT.	\$1.35	AM
Willow planting - locally harvested	EA.	\$0.20	AM
Willow planting - nursery stock	EA.	\$0.30	AM
Brush Management			
Chemical brush management	AC.	\$10.00	AM
Concrete			
Reinforced concrete flatwork	CU.YD.	\$150.00	AM
Reinforced concrete formed 1 side	CU.YD.	\$390.00	AM
Reinforced concrete formed 2 sides	CU.YD.	\$600.00	AM
Steel fabrication for reinforcement	LB.	\$1.00	AM
Fiberglass reinforcement	CU.YD.	\$200.00	AM
Unreinforced concrete	CU.YD.	\$150.00	AM
Critical Area			
Light shaping < 4 feet deep	AC.	\$500.00	AM
Medium shaping > 4 feet deep	AC.	\$1,000.00	AM
Earthwork			
Dugout enlargement with dragline	EA.	\$2,000.00	AM
Earthmoving w/dragline	CU.YD.	\$1.50	AM
Excavation	CU.YD.	\$1.10	AM
Class A Standard Equip.	CU.YD.	\$2.08	AM
Class S Standard Equip.	CU.YD.	\$1.30	AM
Class S Standard Equip.	EA.	\$1,000.00	AM
Offsite borrow for clay liner	CU.YD.	\$5.00	AM
Top dressing	SQ.YD.	\$0.45	AM
Testing (proctor, moisture, density, etc.)	EA.	\$1,500.00	AM
Earthmoving w/backhoe, rubber tire	HR	\$55.00	AM
Earthmoving w/ track backhoe or dozer	HR	\$125.00	AM
Earthmoving with grader	HR	\$85.00	AM
Waterspreading 0-2% slope .27 cu.yd./ft	L.F.	\$0.51	AM
Waterspreading 2-4% slope .34 cu.yd./ft	L.F.	\$0.87	AM
Waterspreading 4-6% slope .44 cu.yd./ft	L.F.	\$1.28	AM
Waterway, diversion, plug > 55 sq.ft.	CU.YD.	\$1.30	AM
Waterway, diversion, plug 0-14.9 sq.ft.	L.F.	\$1.00	AM
Waterway, diversion, plug 15-24.9 sq.ft.	L.F.	\$1.10	AM
Waterway, diversion, plug 25-34.9 sq.ft.	L.F.	\$1.40	AM
Waterway, diversion, plug 35-44.9 sq.ft.	L.F.	\$2.20	AM
Waterway, diversion, plug 45-54.9 sq.ft.	L.F.	\$2.70	AM
Land leveling	CU.YD.	\$1.74	AM
Landshaping	CU.YD.	\$1.00	AM
Terraces	L.F.	\$1.40	AM
Type A dugout	EA.	\$3,000.00	AM

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE ¹
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Erosion blanket

Coconut fiber installed	SQ.YD	\$2.01	AM
Nylon fiber installed	SQ.YD.	\$4.86	AM
Small grain straw installed	SQ.YD.	\$2.10	AM
Wood fiber installed	SQ.YD.	\$2.50	AM
Mulching and erosion control netting	SQ.YD.	\$1.50	AM
Mulching and mechanical anchoring	AC.	\$400.00	AM

Fence

Fences **NOT ELIGIBLE** for cost-share:

- To keep livestock within the boundaries of a prescribed grazing system(s), range unit, allotment, grazing area, Tribal grazing unit, etc.
- Along federal, state, county, Tribal, and township roads.
- To separate cropland from rangeland or pastureland.
- Feedlot perimeter fencing. Exceptions will be considered on a case-by-case basis ONLY when a feedlot is being moved to an entirely new location to promote water quality improvement.

Fences **ELIGIBLE** for cost-share:

- Control the movement of cattle within a prescribed grazing system, range unit, allotment, grazing area, Tribal grazing unit, etc., (cross fences) regardless of ownership.
- Protect other conservation practices (trees, seedings, ponds, etc.,) from livestock grazing regardless of ownership provided that the livestock being excluded are from the unit under contract, and fences are not along a road as defined above.
- Lanes required to rotate cattle between pastures within a prescribed grazing system provided they are not adjacent to a road as defined above and are inside the boundary of the grazing system, range unit, allotment, grazing area, Tribal grazing unit, etc.
- To protect holding ponds, debris basins, or other required structures of an animal waste management system.

2-Wire electric	L.F.	\$0.37	AM
3-Wire electric	L.F.	\$0.42	AM
4-Wire electric	L.F.	\$0.47	AM
5-Wire electric	L.F.	\$0.52	AM
Portable fence for intensive grazing mgt.	L.F.	\$0.12	AM

Single wire portable poly-wire fence. Eligible cost-share determined by the circumference of the largest temporary paddock (if temporary fencing surrounds paddock) or by the longest single reach required multiplied by two (if temporary fencing occurs on only two sides of a paddock).

Electric fence energizers	EA.	\$500.00	AM
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Includes ground rods(s), lightning arrestors and appurtenances. Must meet SD Standard 382-Fence. Limit of one per contract.

26" Woven wire w/2 barbed wires	L.F.	\$0.82	AM
32" Woven wire w/1 barbed wire	L.F.	\$1.03	AM
48" Woven wire w/2 barbed wire	L.F.	\$1.23	AM
3-Barbed wire	L.F.	\$0.70	AM
4-Barbed wire	L.F.	\$0.75	AM
5-Barbed wire	L.F.	\$0.80	AM
6 or more barbed wire	L.F.	\$0.85	AM
Chain link	L.F.	\$10.00	AM

* Corner, direction chg. & pull post	EA.	\$91.00	AM
* Gate assembly	EA.	\$144.00	AM

** For specialty fences only; ag waste, tree sites, etc. Not for use in cross fence.*

Suspension fence 4-wire minimum	L.F.	\$0.49	AM
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COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE ¹
Forest			
Improving a stand of forest trees	AC.	\$154.00	AM
Site preparation for natural reproduction	AC.	\$150.00	AM
Grazinglands Mechanical Treatment			
Contour furrow, renovation, pitting	AC.	\$12.00	AM
Deep chiseling	AC.	\$20.00	AM
Grass Seeding - 5-yr. average prices on grass seed			
Alfalfa - grazing type	PLS LB	\$2.00	AM
Alfalfa - hay type	PLS LB	\$1.50	AM
Alkali sacaton	PLS LB	\$7.40	AM
Alsike or red clover	PLS LB	\$2.50	AM
American sloughgrass	PLS LB	\$25.00	AM
Big bluestem	PLS LB	\$13.80	AM
Birdsfoot trefoil	PLS LB	\$3.50	AM
Black samson	PLS LB	\$125.00	AM
Blue grama	PLS LB	\$13.60	AM
Buffalograss	PLS LB	\$10.80	AM
Canada wildrye	PLS LB	\$6.50	AM
Cicer milkvetch	PLS LB	\$3.70	AM
Creeping foxtail	PLS LB	\$6.40	AM
Crested wheatgrass	PLS LB	\$2.20	AM
Dotted gayfeather	PLS LB	\$45.00	AM
Green needlegrass	PLS LB	\$10.90	AM
Illinois bundleflower	PLS LB	\$15.00	AM
Indiangrass	PLS LB	\$15.10	AM
Intermediate wheatgrass	PLS LB	\$3.10	AM
Leadplant	PLS LB	\$105.00	AM
Little bluestem	PLS LB	\$16.20	AM
Maximilian sunflower	PLS LB	\$32.60	AM
Meadow brome grass	PLS LB	\$3.35	AM
Mountain brome grass	PLS LB	\$3.10	AM
Needleandthread	PLS LB	\$60.00	AM
Nuttall alkaligrass	PLS LB	\$6.80	AM
Native forb mixture	PLS LB	\$100.00	AM
<i>To meet practice 643 - Restoration and Management of Rare and Declining Habitats.</i>			
Orchardgrass	PLS LB	\$0.80	AM
Plains coreopsis	PLS LB	\$19.30	AM
Prairie coneflower	PLS LB	\$21.50	AM
Prairie cordgrass	PLS LB	\$105.00	AM
Prairie dropseed	PLS LB	\$5.70	AM
Prairie sandreed	PLS LB	\$19.70	AM
Porcupinegrass	PLS LB	\$4.60	AM
Pubescent wheatgrass	PLS LB	\$3.20	AM
Purple prairieclover	PLS LB	\$35.20	AM
Reed canarygrass	PLS LB	\$3.10	AM
Russian wildrye	PLS LB	\$3.80	AM
Sainfoin	PLS LB	\$2.00	AM
Sand bluestem	PLS LB	\$18.40	AM
Sand lovegrass	PLS LB	\$13.20	AM
Sideoats grama	PLS LB	\$11.70	AM

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE ¹
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Grass Seeding (Cont'd)

Slender wheatgrass	PLS LB	\$4.60	AM
Small burnet	PLS LB	\$2.40	AM
Smooth brome	PLS LB	\$1.70	AM
Switchgrass	PLS LB	\$4.50	AM
Sweetclover	PLS LB	\$1.00	AM
Tall wheatgrass	PLS LB	\$2.40	AM
Thickspike wheatgrass	PLS LB	\$4.30	AM
Timothy	PLS LB	\$1.30	AM
Western snowberry	PLS LB	\$75.00	AM
Western wheatgrass	PLS LB	\$7.60	AM
Western yarrow	PLS LB	\$11.00	AM
White prairieclover	PLS LB	\$75.00	AM
Seedbed prep. cov. crop, till. & chem.	AC.	\$40.00	FR
Seedbed prep. cover crop & tillage	AC.	\$28.00	FR
Seedbed prep. duff removal & chem.	AC.	\$38.00	AM
Seedbed preparation - chemical	AC.	\$23.00	AM
Seedbed preparation - tillage	AC.	\$10.00	FR
Seeding operation - interseeding	AC.	\$14.00	AM
Seeding operation - no-till drill	AC.	\$10.00	AM
Seeding operation - normal	AC.	\$8.00	AM
Seeding operation - special grass drill	AC.	\$14.00	AM
Seeding operation, crit. area & waterway	AC.	\$18.00	AM
Weed control - chemical	AC.	\$20.00	AM
Weed control - mechanical	AC.	\$7.00	FR

Irrigation

Pipe cost - Including installation and needed appurtenances						
Pipe Size	Alfalfa Valve	PVC Pipe	Flow Meter	PVC Vent Standpipe	Steel Dogleg W/Thrust Block	PVC Dogleg W/Thrust Block
6" dia.		\$2.75	\$640.00	\$90.00	\$416.00	\$90.00
8" dia.	\$400.00	\$3.70	\$853.33	\$120.00	\$554.67	\$120.00
10" dia.	\$460.00	\$5.00	\$1,066.67	\$150.00	\$693.33	\$150.00
12" dia.	\$565.00	\$10.00	\$1,280.00	\$180.00	\$832.00	\$180.00
15" dia.	\$600.00	\$12.00	\$1,600.00	\$225.00	\$1,040.00	\$225.00
18" dia.		\$17.35	\$1,920.00	\$270.00	\$1,248.00	\$270.00
21" dia.		\$23.25	\$2,240.00	\$315.00	\$1,456.00	\$315.00
All costs reflect AM cost-share.						

Air vacuum valve	EA.	\$540.00	AM
Drain	EA.	\$180.00	AM
Inlet structure	EA.	\$500.00	AM
Outlet structure	EA.	\$150.00	AM
Pressure control valve	EA.	\$560.00	AM
Pumpout	EA.	\$470.00	AM
Trash rack	EA.	\$162.50	AM

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE ¹
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Lining & sealing

Bentonite	TON	\$200.00	AM
Butyl rubber	SQ.FT.	\$0.30	AM
Gleization	SQ.FT.	\$0.06	AM
Plastic membrane	SQ.FT.	\$0.40	AM
Soda ash or similar material	TON	\$238.00	AM

Obstruction removal

Obstruction removal	JOB	\$1,000.00	AM
Obstruction removal	HR	\$120.00	AM

Pipe - Principal Spillways & Drain Pipes

Pipe cost - Including installation and fittings						
Pipe Size	Steel W/Vinyl Coating	Galvanized Steel	Galvanized Steel	Aluminum Corrugated	Corrugated PE Plastic/Single Wall	Corrugated PE Plastic/Smooth Lined
12" dia.	\$33.00	\$30.00	\$30.00	\$30.00	\$11.25	\$33.00
15" dia.	\$41.25	\$37.50	\$37.50	\$37.50	\$14.06	\$41.25
18" dia.	\$49.50	\$45.00	\$45.00	\$45.00	\$16.88	\$49.50
21" dia.	\$57.75	\$52.50	\$52.50	\$52.50	\$19.69	\$57.75
24" dia.	\$66.00	\$60.00	\$60.00	\$60.00	\$22.50	\$66.00
30" dia.	\$82.50	\$75.00	\$75.00	\$75.00		\$82.50
36" dia.	\$135.00	\$135.00	\$90.00			\$135.00
42" dia.	\$157.50	\$157.50	\$105.00			
48" dia.	\$180.00	\$180.00	\$120.00			
<i>*All costs reflect AM cost-share.</i>						

Butyl rubber diaphragm	EA.	\$250.00	AM
Cathodic protection - magnesium anodes	LB.	\$9.00	AM
Tile outlets 4-12" diameter	L.F.	\$5.00	AM
Tile riser	EA.	\$60.00	AM
Principal spillway riser	LF/FT Dia	\$50.00	AM
Trash screen for sediment basin drain	EA.	\$400.00	AM

COMPONENT NAME		UNIT TYPE	UNIT COST	COST-SHARE TYPE ¹																								
Pipeline																												
1" Diameter galvanized steel pipe		L.F.	\$1.75	AM																								
1" Plastic pipe		L.F.	\$0.43	AM																								
1" High density PE pipe		L.F.	\$0.48	AM																								
1 1/4" High density PE pipe		L.F.	\$0.48	AM																								
1 1/4" Plastic pipe		L.F.	\$0.50	AM																								
1 1/2" Plastic pipe		L.F.	\$0.69	AM																								
2" Plastic pipe		L.F.	\$0.93	AM																								
2 1/2" Plastic pipe		L.F.	\$1.22	AM																								
3" Plastic pipe		L.F.	\$1.80	AM																								
4" Plastic pipe		L.F.	\$3.86	AM																								
6" Plastic perforated pipe		L.F.	\$1.50	AM																								
6" Plastic pipe		L.F.	\$2.50	AM																								
Hookup on community water system		EA.	\$1,934.00	AM																								
Installation - normal soil, per lf depth		L.F./ FT.	\$0.17	AM																								
Installation - fractured rock, per lf depth		L.F./ FT.	\$0.42	AM																								
Installation - rock, per lf depth		L.F./ FT.	\$1.30	AM																								
Manhole and appurtenances		EA.	\$500.00	AM																								
Soil to mound over pipe		CU.YD.	\$0.84	AM																								
Rock & gravel																												
Crushed rock or gravel		CU.YD.	\$40.00	AM																								
Drain fill materials		CU.YD.	\$70.00	AM																								
Filter cloth		SQ.YD.	\$2.00	AM																								
Rock riprap		CU.YD.	\$50.00	AM																								
Rockfilled wire baskets		CU.YD.	\$145.00	AM																								
Livestock Crossing		SQ.FT.	\$2.00	AM																								
Springs																												
Developing springs and seeps		EA.	\$3,500.00	AM																								
Tank or trough																												
Freeze-proof, fiberglass or concrete, w/base		GAL.	\$2.50	AM																								
Steel rim flexible bottom, including base		GAL.	\$0.40	AM																								
Steel rim, fiberglass, tire or wood, w/base		GAL.	\$1.25	AM																								
Nose pump		EA.	\$500.00	AM																								
Use standard 533 - Pumping Plant for Water Control																												
Tile																												
<table><tr><th>Tile Size</th><th>Nonperforated Perforated To</th><th>Tile Removal Greater Than \$500</th></tr><tr><td>4" dia.</td><td>\$2.00</td><td>\$1.50</td></tr><tr><td>5" dia.</td><td>\$2.20</td><td>\$1.50</td></tr><tr><td>6" dia.</td><td>\$2.75</td><td>\$1.60</td></tr><tr><td>8" dia.</td><td>\$3.10</td><td>\$1.70</td></tr><tr><td>10" dia.</td><td>\$4.50</td><td>\$1.80</td></tr><tr><td>12" dia.</td><td>\$6.00</td><td>\$2.00</td></tr><tr><td colspan="3">All costs reflect AM cost-share.</td></tr></table>					Tile Size	Nonperforated Perforated To	Tile Removal Greater Than \$500	4" dia.	\$2.00	\$1.50	5" dia.	\$2.20	\$1.50	6" dia.	\$2.75	\$1.60	8" dia.	\$3.10	\$1.70	10" dia.	\$4.50	\$1.80	12" dia.	\$6.00	\$2.00	All costs reflect AM cost-share.		
Tile Size	Nonperforated Perforated To	Tile Removal Greater Than \$500																										
4" dia.	\$2.00	\$1.50																										
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All costs reflect AM cost-share.																												
Tile removal < \$500		JOB	\$500.00	AM																								

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE ¹
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Timber structure - Including materials and labor

Timber structure	EA.	\$2,000.00	AM
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Trees

Land prep - non-tilled areas, chemical	AC.	\$38.00	AM
Land prep - non-tilled areas, mechanical	AC.	\$34.00	FR
Bare-root tree or shrub and planting	EA.	\$1.50	AM
Container grown trees, shrubs & planting	EA.	\$2.00	AM
Container grown trees, shrubs and planting	ROD	\$5.00	AM
Drip watering system for conifers	L.F.	\$0.30	AM
Fabric weed barrier	L.F.	\$0.50	AM
Renovation, sod control, chem & mech.	AC.	\$160.00	AM
Renovation-tree removal	AC.	\$1,250.00	AM
Scalp planting	ROD	\$4.00	AM
Shrubs and planting	ROD	\$3.50	AM
Trees and planting	ROD	\$3.00	AM
Trees, shrubs, and planting	ROD	\$3.00	AM

Water control

Pipe Size	Hand Operated Gate	Hand Wheel Or Valve	High Pressure In-line Gate	Inclined Slide Gate Valve	Small Hand Operated Lift Or Slide
8" dia.					
10" dia.					
12" dia.	\$530.00	\$720.00	\$530.00	\$100.00	
15" dia.	\$662.50	\$900.00	\$662.50	\$125.00	
18" dia.	\$795.06	\$1,080.00	\$795.00	\$150.00	
21" dia.	\$927.50	\$1,260.00	\$927.50	\$175.00	
24" dia.	\$1,060.00	\$1,440.00	\$1,060.00	\$200.00	
30" dia.	\$1,325.10	\$1,800.00		\$250.00	
36" dia.	\$1,590.00	\$2,160.00			
42" dia.	\$1,855.00				
48" dia.	\$2,120.00				
<i>All costs reflect AM cost-share. Cost-share rate program dependent.</i>					
Gate stem, hand wheel & couplings	L.F.	\$8.50	AM		
Oil filled stem	L.F.	\$12.50	AM		
Parshall flume, steel w/o concrete	EA.	\$860.00	AM		
Weir boxes (hardware & gauge)	EA.	\$200.00	AM		

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE ¹
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Waste management system

- Ag waste systems are eligible for cost-share on existing or new Animal Feeding Operations (AFO).
- Only the components of the overall waste management system required for the proper collection, storage, transport, treatment, and utilization of the waste materials will be eligible for cost-share. These components should be the most cost-effective method of addressing the resource concern.
- Expenses incurred to improve livestock handling, to increase production, or other improvements not related to achieving water quality objectives will be assumed by the producer. Examples include watering facilities, fence line feed bunks, concrete pads, fencing not for the protection of holding ponds or sediment basins, or other facilities that are not a component of the waste management facility.
- Cost-share for fencing related to Waste Management Systems is limited to what is essential for the safety, protection, and operation of the components of the designed Waste Management System. The type, quantity, and specifications for these fences will be identified in the construction plans.
- For feedlot relocations, cost-share will be limited to the Waste Management System structures and components.

* Less than \$15,000	System	\$15,000	AM
* \$15,001 - \$30,000	System	\$30,000	AM
* \$30,001 - \$45,000	System	\$45,000	AM
* \$45,001 - \$60,000	System	\$60,000	AM
* More than \$60,000	System	\$75,000	AM

* Includes all needed components to meet minimum specifications of a Waste Management System (312). The above price range should be used when estimating for contract development only. Cost-share payments should be based on actual costs incurred on a component basis.

* Permanently installed pump	Ea.	\$10,000	AM
* Houle Magnum or Futuro pump	Ea.	\$14,000	AM

* If the pump is an integral part of the animal waste management system. Does not include the cost of supplying or connecting electricity to the pump.

Manure Pump Pit	Ea.	\$2,200.00	AM
PVC Gutter Installation	Ea.	\$200.00	AM
PVC Gutter	LF.	\$10.00	AM
Miscellaneous	JOB	\$500.00	AM

To be used only for Waste Management System (312). Includes signs, permanent markers, and small items not included in the cost list.

COMPONENT NAME	UNIT TYPE	UNIT COST	COST-SHARE TYPE ¹
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Wells

4" to 12" Diameter steel casing	L.F.	\$26.80	AM
4" to 5" Surface casing	L.F.	\$20.18	AM
Copper casing 1.5" in diameter	L.F.	\$12.00	AM
Copper casing 2" diameter	L.F.	\$16.50	AM
Larger than 12" diameter (ordinary well)	L.F.	\$33.00	AM
Schedule 40 - 2" to 3.5" plastic pipe	L.F.	\$11.11	AM
Schedule 40 - 4" or larger plastic pipe	L.F.	\$15.70	AM
Schedule 80 - 2" to 3.5" plastic pipe	L.F.	\$10.00	AM
Schedule 80 - 4" or larger plastic pipe	L.F.	\$15.50	AM
Schedule 120 - 2" to 3.5" plastic pipe	L.F.	\$10.00	AM
Schedule 120 - 4" or larger plastic pipe	L.F.	\$18.00	AM
Steel casing under 3" in diameter	L.F.	\$12.00	AM

Livestock well pump	EA.	\$2,000	AM
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Includes pump, pressure tank, appurtenances, and well pit. Does not include any costs of supplying or connecting power to the pump. One time cost-share, all maintenance and replacement costs are the responsibility of producer. Standard 533 - Pumping Plant for Water Control.

Windmill	EA.	\$ 5,000.00	AM
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New or factory refurbished windmills installed to manufacturers guidelines on new wells only. One time cost-share, all maintenance and replacement costs are the responsibility of producer. Standard 533 - Pumping Plant for Water Control.

Well plugging - Shallow aquifer	JOB	\$300.00	AM
Well plugging - Artesian	JOB	\$900.00	AM

Wetland Restoration

Earthmoving for wetland restoration	CU.YD.	\$2.18	AM
Ditch plug	EA.	\$250.00	AM
Contractor mobilization	EA.	\$200.00	AM

One time contractor set up charge per operator.

Seeding operation - Hand plugs	EA.	\$0.20	AM
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¹ COST-SHARE TYPES:

AM - Actual cost not to exceed a specified maximum

FR - Flat rate

AC - Average cost

AA - Actual cost on to exceed average cost